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10. (Amended) The process as claimed in claim 1, wherein the impregnation of the components takes place by immersion, flooding, vacuum impregnation, vacuum pressure impregnation or trickling.

11. (Amended) The process as claimed in claim 10, wherein electrically conducting windings of the impregnated components are heated in the impregnating composition by applying current to an extent such that the desired amount of impregnation composition is gelled and fixed, in that after this gelling the component is removed from the impregnating composition, ungelled impregnating composition runs off and, if desired, is cooled and recycled, and in that the components are subsequently cured.

12. (Amended) An apparatus for insulating electrical components, comprising a coating means for applying a coat of polymerizable casting and impregnating composition and/or lacquer to the surface of the components and comprising a heating means for heating the components, wherein the heating means comprises at least one near-infrared (NIR) radiation source.

13. (Amended) The apparatus as claimed in claim 12, wherein the heating means comprises an electrical regulator of the NIR radiation sources in order to adjust the wavelength and/or radiative energy acting on the substrates.

14. (Amended) The apparatus as claimed in claim 12, wherein it comprises optical filter means in order to adjust the wavelength and/or radiative energy acting on the substrates.